
Intel® Storage Server SSR212MC2

Spares / Parts List & Configuration Guide

A reference guide to assist customers in ordering the necessary components to configure the Intel® Storage Server SSR212MC2 & SSR212MC2R

Revision 1.4
Subject to Change

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Revision History

| Date | Revision # | Notes |
|-----------|--------------|---|
| 4/16/2007 | Revision 1.0 | Initial Release |
| 5/1/2007 | Revision 1.1 | Updated Product Configuration Tables (page 4) |
| 6/28/2007 | Revision 1.2 | Updated new Material Master numbers & UPC codes for ECO1 (per PCN 107668-00) |
| 10/9/2007 | Revision 1.4 | Added board refresh sku info including new Material Master numbers and UPC codes. |

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PRODUCTION CONFIGURATIONS

This section contains information needed to order and configure a production SSR212MC2 or SSR212MC2R. The unit is shipped as a an integrated hardware platform, including enclosure, backplane, server board fan cooling module and power supply. Drivers and enclosure management software is included, but no operating system or storage applications are included. CPUs, hard disk drives (HDDs) and memory need to be added.

Base Unit Description

The SSR212MC2 has two SKU options:

- **SSR212MC2R and SSR212MC2RBR:** ships with the Intel RAID controller SRCAS144E and the Intel Battery Backup Unit AXXRIBBU1
- **SSR212MC2 and SSR212MC2BR:** ships without RAID controller or Battery Backup Unit

Details of each SKU configuration are listed in the table below.

| SSR212MC2R and SSR212MC2RBR (with RAID controller) | SSR212MC2 and SSR212MC2BR (no RAID controller) |
|---|--|
| 1x 2U system chassis (including SAS backplane, cooling module, power supply enclosure) <ul style="list-style-type: none">▪ 1x 850W power supply module▪ 1x Intel® Server Board S5000PSLSAS▪ 1x Intel RAID Controller SRCAS144E▪ 1x Intel Battery Backup Unit AXXRIBBU1▪ 12x Intel hard disk drive carriers (for use with SAS or SATA HDDs)▪ 1x 2.5" HDD internal boot drive enclosure▪ 2x Boot Drive SATA cables▪ 4 lane SAS cable | 1x 2U system chassis (including SAS backplane, cooling module, power supply enclosure) <ul style="list-style-type: none">▪ 1x 850W power supply module▪ 1x Intel® Server Board S5000PSLSAS▪ 12x Intel hard disk drive carriers (for use with SAS or SATA HDDs)▪ 1x 2.5" HDD internal boot drive enclosure▪ 2x Boot Drive SATA cables▪ 4 lane SAS to 4x SATA cable |
| 12x HDD labels | 12x HDD labels |
| 1x Rail Kit | 1x Rail Kit |
| 1x printed Quick Start Guide | 1x printed Quick Start Guide |
| 1x Resource CD | 1x Resource CD |
| 1x Torx Driver | 1x Torx Driver |

Production System Codes

| PRODUCT CODE | MM # | UPC | DESCRIPTION |
|-----------------------|--------|----------------|---|
| SSR212MC2R | 891934 | 00735858196581 | 2U/Twelve 3 ½" SAS/SATA HDD storage server SSR212MC2R chassis with RAID controller included. Includes chassis, backplane, 10 fans, 850W power supply, server board BB5000PSLSAS and RAID controller SRCSAS144E with Intel Battery Backup Unit AXXRIBBU1. |
| SSR212MC2RNA | 892295 | 00735858196598 | Production SSR212MC2R unit, with North American power cord. |
| SSR212MC2 | 891935 | 00735858196604 | 2U/Twelve 3 ½" SAS/SATA HDD storage server SSR212MC2 chassis with no RAID controller. Includes chassis, backplane, 10 fans, 850W power supply, and server board BB5000PSLSAS. |
| SSR212MC2NA | 892294 | 00735858196611 | Production SSR212MC2 unit, with North American power cord. |
| SSR212MC2RBR | 893519 | 00735858199063 | 2U/Twelve 3 ½" SAS/SATA HDD storage server SSR212MC2R chassis with RAID controller included. Includes chassis, backplane, 10 fans, 850W power supply, server board BB5000PSLSASR and RAID controller SRCSAS144E with Intel Battery Backup Unit AXXRIBBU1. |
| SSR212MC2RBRNA | 894040 | 00735858199070 | Production SSR212MC2RBR unit, with North American power cord. |
| SSR212MC2BR | 893628 | 00735858199087 | 2U/Twelve 3 ½" SAS/SATA HDD storage server SSR212MC2 chassis with no RAID controller. Includes chassis, backplane, 10 fans, 850W power supply, and server board BB5000PSLSASR. |
| SSR212MC2BRNA | 894041 | 00735858199094 | Production SSR212MC2BR unit, with North American power cord. |

Supported Processors

For a full list of CPUs that are supported on the SSR212MC2, SSR212MC2BR, SSR212MC2R and SSR212MC2RBR, please refer to the Supported Processor List on the SSR212MC2 Product Support website:

<http://support.intel.com/support/motherboards/server/ssr212mc2/index.htm>

Production Hardware Accessories

| PRODUCT CODE | MM # | UPC | DESCRIPTION |
|-------------------|--------|----------------|--|
| AMC850WPS | 890400 | 00735858193856 | 850W power supply for the SSR212MC2 |
| AMCSAS300 | 890438 | 00735858193863 | 300GB 10k RPM SAS hard disk drives for the Intel SSR212MC2 |
| AMCSATA750 | 890441 | 00735858193870 | 750GB 7.2k RPM SATA II hard disk drive for the Intel SSR212MC2 |

Production Spares (Field Replaceable Units)

| PRODUCT CODE | MM # | UPC | DESCRIPTION |
|----------------------|--------|----------------|---|
| FMCCHASSIS | 890449 | 00735858193887 | SSR212MC2 chassis FRU: including backplane, enclosure management card , front panel board, power supply cage |
| FMCCABLES | 890452 | 00735858193894 | SSR212MC2 cable kit, including: BBU cable, boot drive SAS, front panel flex cable, front panel SSI |
| FMCSAS4XCBL | 890454 | 00735858193900 | SSR212MC2 4 lane SAS fan out cable with four 7 pin SATA connectors (mini-SAS to 4x SATA) |
| FMCSASCBL | 890489 | 00735858193917 | SSR212MC2R 4 lane SAS cable (mini-SAS to mini-SAS) |
| FXSDRVCARR | 873884 | 00735858177726 | 12 pack HDD carrier set, along with 1 torx driver and HDD label set |
| FMCBOOTENCL | 890490 | 00735858193924 | SSR212MC2 2.5" boot drive enclosure |
| FMCRAILKIT | 890491 | 00735858193931 | SSR212MC2 Rail kit |
| FMCFANS | 890497 | 00735858193948 | SSR212MC2 fans (5 pack) – NON HOT SWAP |
| FMCPKG | 890500 | 00735858193955 | SSR212MC2 packaging (external box assembly) |
| FMCSASX | 890501 | 00735858193962 | SSR212MC2 SAS expander card |
| FMCAIRBAFFLE | 890502 | 00735858193979 | SSR212MC2 processor and memory air baffles |
| BB5000PSLSAS | 886315 | 00735858182911 | 10-pack of Intel Server Board S5000PSLSAS with integrated 4-port SAS, G1 Blackford Chipset |
| BB5000PSLSASR | 892051 | 007358196154 | 10-pack of Intel Server Board S5000PSLSASR with integrated 4-port SAS, 45nm compat |
| SRCSAS144E | 883470 | 00735858182621 | Intel® RAID Controller SRCSAS144E - PCIe x4, 8P (4 int/4 ext) SAS RAID Controller - Intel 80333 IOP @ 500 MHz, 128MB embedded memory. RoHS Compliant. |
| AXXRIBBU1 | 879073 | 00735858171649 | Battery Backup unit for Intel RAID controller SRCSAS144E |

NOTES

- 1) Unless noted otherwise, all items are individually orderable.
- 2) Reference base unit description (page 3) to determine components that initially ship with the SSR212MC2R or SSR212MC2 system.

Additional Required Accessories

Installing operating systems and applications from CD will require one or more of the following components. Note that Microsoft Windows Server 2003 and Microsoft Storage Server 2003 Release 2 require the presence of a floppy drive to install certain device drivers.

- USB CD ROM Drive (supported devices listed on THOL)
- USB Floppy Drive (supported devices listed on THOL)
- USB Hub (supported devices listed on THOL)

Please choose devices, such as HDDs, adapters, boot drives and JBODs from the Tested Hardware and Operating systems List (THOL). These devices have been verified to be compatible with the Intel® Storage Server SSR212MC2. Also, compatible memory may be selected from the Tested Memory List for the Intel Storage Server SSR212MC2.